

Title (en)  
Bromine-containing oligomeric ethers of bis-chloromethyl-diphenyl ethers.

Title (de)  
Bromhaltige oligomere Ether von Bis-chlormethyl-diphenylethern.

Title (fr)  
Ethers oligomères bromés d'éthers bis-chlorométhyl-diphényles.

Publication  
**EP 0191344 A1 19860820 (DE)**

Application  
**EP 86101029 A 19860125**

Priority  
DE 3504169 A 19850207

Abstract (en)  
1. Bromine-containing oligomeric ethers with benzylaryl and diaryl structures which carry phenyl, biphenyl or naphthyl and/or benzyl, phenoxybenzyl or menaphthyl end groups in order to limit their molecular weight and have the following structure : see diagramm : EP0191344,P5,F2 wherein R denotes a see diagramm : EP0191344,P5,F5 or see diagramm : EP0191344,P5,F6 group, an oxygen or sulphur atom, or a direct bond, R1 and R2 denote hydrogen atoms or in each case an alkyl group with 1 to 4 carbon atoms (these can also be bonded to each other), R3 denotes hydrogen atoms or alkyl groups with 1 to 4 carbon atoms, R4 and R5 in each case denote 1. a see diagramm : EP0191344,P5,F9 and a see diagramm : EP0191344,P5,F10 group, or 2. a see diagramm : EP0191344,P5,F12 and a see diagramm : EP0191344,P5,F14 group, or 3. a see diagramm : EP0191344,P5,F16 and a see diagramm : EP0191344,P5,F18 group, R6 denotes hydrogen atoms, alkyl groups with 1 to 4 carbon atoms or a phenoxy group and R7 denotes hydrogen atoms, alkyl groups with 1 to 4 carbon atoms a phenyl group and/or halogen atoms and n denotes an integer from 2-15. In the case of substituents R4 and R5 the phenyl group can be replaced by a naphthyl group in the end groups.

Abstract (de)  
Die Erfindung betrifft bromhaltige Oligomere mit Benzylaryl- und Diaryletherstrukturen und ihre Verwendung als flammhemmende Mittel in Kunststoffen.

IPC 1-7  
**C07C 43/29**; **C07C 49/84**; **C07C 147/00**; **C08G 65/40**

IPC 8 full level  
**C07C 41/00** (2006.01); **C07C 43/263** (2006.01); **C07C 43/29** (2006.01); **C07C 45/00** (2006.01); **C07C 49/84** (2006.01); **C07C 67/00** (2006.01); **C07C 313/00** (2006.01); **C07C 317/00** (2006.01); **C07C 317/22** (2006.01); **C08G 65/40** (2006.01); **C08G 75/23** (2006.01); **C08K 5/00** (2006.01); **C08K 5/02** (2006.01); **C08K 5/06** (2006.01); **C08L 25/00** (2006.01); **C08L 55/02** (2006.01); **C08L 71/00** (2006.01); **C08L 101/00** (2006.01); **C09K 21/08** (2006.01)

CPC (source: EP)  
**C07C 43/29** (2013.01); **C07C 49/84** (2013.01); **C07C 317/00** (2013.01); **C08G 65/4006** (2013.01); **C08G 65/4018** (2013.01); **C08G 75/23** (2013.01); **C08K 5/06** (2013.01); **C08L 71/00** (2013.01)

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• [AD] EP 0018632 A1 19801112 - DU PONT [US]  
• [A] FR 2369312 A1 19780526 - DYNAMIT NOBEL AG [DE]  
• [A] DE 2636027 A1 19780216 - DYNAMIT NOBEL AG  
• [A] DE 2021830 A1 19701112 - UGINE KUHLMANN

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